AUTHOR INDEX

Andres, R. J., 213
Blatz, P. J., 167
Browne, M. E., 135
Bruck, S. D., 169
Burgess, R. E., 51
Eley, D. D., 73, 243
Forster, E. O., 125
Gutmann, F., 41
Ham, J. S., 225
Hartman, R. D., 187
Hermann, A. M., 107
Ito, K., 151
Kallmann, H., 241
Kanda, S., 151
Krasnansky, V. J., 241
Labes, M. M., 95
Little, W. A., 3
Lowitz, D. A., 163
Mason, J. W., 187
Nogaito, T., 151
Ottenberg, A., 135
Pohl, H. A., 13, 187
Pope, M., 233
Rembaum, A., 107
Seanor, D. A., 195
Shim, B. K. C., 221
Wisdom, N. E., Jr., 125

SUBJECT INDEX

Amorphous polymers, anomalous conduction in the glass transition region of, 221
Anisotropy of electrical conductivity in doubly oriented nylon 66, 195
Anomalous behavior of the resistivity of donor–acceptor complexes, 135
Anomalous conduction in the glass transition region of amorphous polymers, 221
Aromatic hydrocarbons, charge injection in, 241
Aromatic polyimide, pyrolytic, relationship between unpaired spin concentration, structure, and electrical conduction of, 169
Band conduction and fluctuations in polymeric semiconductors, 51
Carrier generation and transport in short-range order systems, 41
Charge injection in aromatic hydrocarbons, 241
Charge-transfer complexes, monomeric and polymeric, 95
Charge-transfer exciton and ionic levels in organic crystals, 233
Charge-transfer interaction, solutions with, 125
Complexes, charge-transfer, monomeric and polymeric, 95
  donor–acceptor, anomalous behavior of the resistivity of, 135
Coordination polymers formed with copper and rubeanic acid, magnetic and electrical properties of, 151
Copper and rubeanic acid, magnetic and electrical properties of coordination polymers formed with, 151
Crystals, organic, charge-transfer exciton and ionic levels in, 233
Dark conduction by organic semiconductors, energy gap and pre-exponential factor in, 73
Deformation, mechanical, of electrically conducting materials, 167
Donor–acceptor complexes, anomalous behavior of the resistivity of, 135
Doubly oriented nylon 66, anisotropy of electrical conductivity in, 195
Electronic behavior in macromolecular solids, 13
Energy gap and pre-exponential factor in dark conduction by organic semiconductors, 73
$Et_2NH^+(TCNQ)_2^-$, electronic conduction in, 163
Exciton, charge-transfer, and ionic levels in organic crystals, 233
Fluctuations and band conduction in polymeric semiconductors, 51
Glass transition region of amorphous polymers, anomalous conduction in, 221
Hall effect, spin resonance, and transport properties of poly(*N*-vinyl carbazole)–iodine complex, 107
Injection, charge, in aromatic hydrocarbons, 241
Interaction, charge-transfer, solutions with, 125
Iodine, conductivity of, 225
Iodine–poly(*N*-vinyl carbazole) complex, spin resonance, Hall effect, and transport properties of, 107
Ionic levels and charge-transfer exciton in organic crystals, 233
Low resistivity polyacenequinones, 187
Magnetic and electrical properties of coordination polymers formed with copper and rubeanic acid, 151
Mechanical deformation of electrically conducting materials, 167
Mechanisms, electrical conduction, organic systems for, 213
Monomeric and polymeric charge-transfer complexes, 95
Nylon 66, doubly oriented, anisotropy of electrical conductivity in, 195
Order systems, short-range, carrier generation and transport in, 41
Organic crystals, charge-transfer exciton and ionic levels in, 233
Organic polymers, superconductivity of, 3

Organic semiconductors, energy gap and pre-exponential factor in dark conduction by, 73
Organic systems for electrical conduction mechanisms, 213
Polyacenequinones with low resistivity, 187
Polyimide, pyrolytic aromatic, relationship between unpaired spin concentration, structure, and electrical conduction of, 169
Polymeric and monomeric charge-transfer complexes, 95
Poly(*N*-vinyl carbazole)–iodine complex, spin resonance, Hall effect, and transport properties of, 107
Pre-exponential factor and energy gap in dark conduction by organic semiconductors, 73
Pyrolytic aromatic polyimide, relationship between unpaired spin concentration, structure, and electrical conduction of, 169
Resistivity, anomalous behavior of, of donor–acceptor complexes, 135
low, polyacenequinones with, 187
Rubeanic acid and copper, magnetic and electrical properties of coordination polymers formed with, 151
Semiconductors, organic, energy gap and pre-exponential factor in dark conduction by, 73
polymeric, band conduction and fluctuations in, 51
Short-range order systems, carrier generation and transport in, 41
Solids, macromolecular, electronic behavior in, 13
Solutions with charge-transfer interaction, 125
Spin concentration, unpaired, structure, and electrical conduction of a pyrolytic aromatic polyimide, relationship between, 169
Spin resonance, Hall effect, and transport properties of poly(*N*-vinyl carbazole)–iodine complex, 107
Structure, unpaired spin concentration, and electrical conduction of a pyrolytic aromatic polyimide, 169
Superconductivity of organic polymers, 3
Transport and carrier generation in short-range order systems, 41
Transport properties, spin resonance, and Hall effect of poly(*N*-vinyl carbazole)–iodine complex, 107
Unpaired spin concentration, structure, and electrical conduction of a pyrolytic aromatic polyimide, relationships between, 169